

Figure 17

Groundwater Areas with Sentinel Wells Above the Higher of the Surface Water Standard, Background, or PQL

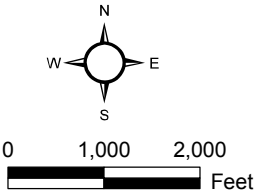
KEY

- Area of concern well
- Sentinel well
- Groundwater treatment system
- Decommissioned French drain
- North of Former Building 771¹
- Historical Solar Ponds Area and former 700 Area Northeast Plume²
- Historical East Trenches
- Historical 903 Pad/Ryan's Pit
- Historical Mound/Oil Burn Pit No. 2³

- Notes:
- 1) AOI associated with the area north of former Building 771: trichloroethene.
 - 2) AOIs associated with the historical Solar Ponds area: nitrate/nitrite, sulfate, and uranium. AOI associated with the former 700 Area Northeast Plume: nitrate/nitrite.
 - 3) AOIs associated with the historical East Trenches: carbon tetrachloride, chloroform, tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene. AOIs associated with the historical 903 Pad/Ryan's Pit area (both northern and southern flow paths): carbon tetrachloride, chloroform, tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene. AOIs associated with the historical Mound/Oil Burn Pit No. 2: chloroform, trichloroethene, cis-1,2-dichloroethene, 1,1-dichloroethene, methylene chloride, sulfate, carbon tetrachloride, and tetrachloroethene.
 - 4) Modeling results indicate that groundwater discharge concentrations will be below surface water standards at these locations.
 - 5) Groundwater in the area is in weathered bedrock and is only saturated during wet years, thus AOI transport is limited to wet years (high groundwater levels). See the Groundwater IM/IRA for details.

Standard Map Features

- IA OU boundary
- Pond
- Site boundary
- Perennial stream
- Intermittent stream
- Ephemeral stream



Scale 1:24,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental
Technology Site



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